

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference E-6101/99	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IT 99/ 00422	International filing date (day/month/year) 27/12/1999	(Earliest) Priority Date (day/month/year) 22/01/1999
Applicant PELLEGRINO, Luigi		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

1, 2, 3



None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IT 99/00422

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The device for reducing atmospheric pollution by exhaust gas has a cylindrical casing (2) in turn having an inlet (4) for the unpurified exhaust gas and an outlet (6) for the purified exhaust gas; a tubular scrubbing cartridge (8) housed inside the casing (2), interposed between the inlet (4) and the outlet (6), and defining a cylindrical inner chamber (36) and, together with the casing (2), an annular-section outer chamber (34) surrounding the scrubbing cartridge (8); an annular-section inlet conduit having transverse dimensions increasing towards the outer chamber (conical shape) (18) connecting the outer chamber (34) to the inlet (4); and a cup-shaped body (14) connecting the inner chamber (36) to the outlet (6), so as to define an inward exhaust gas purifying path through the scrubbing cartridge (8).

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 99/00422

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F01N3/08 F01N3/28 F01N3/021

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELD SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 511 415 A (GYOPAR KFT) 4 November 1992 (1992-11-04) abstract; figures 1,2	1,2, 13-16
Y	column 4, line 53 - line 56 column 5, line 32 - line 35 ---	3-8,17, 21,22,24
Y	DE 38 03 917 A (INTERATOM) 17 August 1989 (1989-08-17) abstract	3-5
A	claims 1,2; figure 1 ---	9,11,12, 19
Y	US 1 848 990 A (GENERAL MOTORS RESEARCH CORP.) 8 March 1932 (1932-03-08) page 2, line 70 - line 79; figures 1,2 ---	3,6-8,17
A	--- -/--	10,18



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 May 2000

Date of mailing of the international search report

11/05/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
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Authorized officer

Schmitter, T

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IT 99/00422

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 020 766 A (SHIMIZU CONSTRUCTION CO LTD) 7 January 1981 (1981-01-07)	21, 22
A	page 16, line 18 - line 23; figure 2 -----	23
Y	PATENT ABSTRACTS OF JAPAN vol. 010, no. 151 (M-483), 31 May 1986 (1986-05-31) & JP 61 004813 A (MATSUSHITA DENKI SANGYO KK), 10 January 1986 (1986-01-10) abstract -----	24

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 99/00422

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0511415	A	04-11-1992	DE 4213822 A WO 9219849 A	28-10-1993 12-11-1992
DE 3803917	A	17-08-1989	NONE	
US 1848990	A	08-03-1932	NONE	
EP 0020766	A	07-01-1981	JP 1166371 C JP 55128612 A JP 57038765 B JP 1138889 C JP 55019934 A JP 57013723 B GB 2040182 A, B WO 8000362 A SE 441027 B SE 8001507 A DE 2953010 C	08-09-1983 04-10-1980 17-08-1982 11-03-1983 13-02-1980 18-03-1982 28-08-1980 06-03-1980 02-09-1985 27-02-1980 15-10-1992
JP 61004813	A	10-01-1986	NONE	

TENT COOPERATION TRE, Y

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C. 20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 18 September 2000 (18.09.00)	Applicant's or agent's file reference BWO3461-MM
International application No. PCT/IT99/00422	Priority date (day/month/year) 22 January 1999 (22.01.99)
International filing date (day/month/year) 27 December 1999 (27.12.99)	
Applicant PELLEGRINO, Luigi	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
16 August 2000 (16.08.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p>	<p>Authorized officer Juan Cruz</p> <p>Telephone No.: (41-22) 338.83.38</p>
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PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

BUZZI, Franco
Buzzi, Notaro & Antonielli d'Oulx
S.r.l.
Corso Fiume, 6
I-10133 Torino
ITALIE

Date of mailing (day/month/year) 18 September 2000 (18.09.00)	
Applicant's or agent's file reference BWO3461-MM	IMPORTANT NOTIFICATION
International application No. PCT/IT99/00422	International filing date (day/month/year) 27 December 1999 (27.12.99)

1. The following indications appeared on record concerning: <input type="checkbox"/> the applicant <input type="checkbox"/> the inventor <input checked="" type="checkbox"/> the agent <input type="checkbox"/> the common representative	
Name and Address JORIO, Paolo Studio Torta S.r.l. Via Viotti, 9 I-10121 Torino Italy	State of Nationality State of Residence
	Telephone No. 39 011 561 1320
	Facsimile No. 39 011 562 2102
	Teleprinter No.
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning: <input checked="" type="checkbox"/> the person <input type="checkbox"/> the name <input checked="" type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence	
Name and Address BUZZI, Franco Buzzi, Notaro & Antonielli d'Oulx S.r.l. Corso Fiume, 6 I-10133 Torino Italy	State of Nationality State of Residence
	Telephone No. 39 11 6603918
	Facsimile No. 39 11 6602721
	Teleprinter No.
3. Further observations, if necessary:	
4. A copy of this notification has been sent to: <input checked="" type="checkbox"/> the receiving Office <input type="checkbox"/> the designated Offices concerned <input type="checkbox"/> the International Searching Authority <input checked="" type="checkbox"/> the elected Offices concerned <input checked="" type="checkbox"/> the International Preliminary Examining Authority <input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Juan Cruz Telephone No.: (41-22) 338.83.38
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